

1

DFT-7313-I(300W) 300W

GY/T 268.1-2013

GB/T 4311-2000

GD/J 061-2014 GD/J 062-2014

LDMOS

FPGA

成都德芯数字科技股份有限公司

➤ AGC 0.1dB

➤ 15W 300W

➤ LED

➤ AC100 264V

➤

➤

➤ ( / )

➤

➤

➤

➤

➤ 24

3

### 3.1

|    |        |        |        |
|----|--------|--------|--------|
| 1. |        | W      | 300    |
| 2. |        | MHz    | 87 108 |
| 3. |        | Hz     | 1000   |
|    |        |        | 1      |
| 4. |        | Hz     | ±100   |
|    |        |        | ±1     |
| 5. | @10Hz  | dBc/Hz | -80    |
|    | @100Hz |        | -110   |
|    | @1kHz  |        | -120   |
|    | @10kHz |        | -125   |

|     |  |         |                     |                              |
|-----|--|---------|---------------------|------------------------------|
|     |  | @100kHz |                     | -125                         |
|     |  | @1MHz   |                     | -135                         |
| 6.  |  | -250kHz | dB                  | -85                          |
|     |  | -200kHz |                     | -80                          |
|     |  | -110kHz |                     | -80                          |
|     |  | -100kHz |                     | -50                          |
|     |  | 100kHz  |                     | -50                          |
|     |  | 110kHz  |                     | -80                          |
|     |  | 200kHz  |                     | -80                          |
|     |  | 250kHz  |                     | -85                          |
| 7.  |  |         | dB                  | 0.5                          |
| 8.  |  |         | dB                  | 0.2                          |
| 9.  |  |         | dB                  | -50                          |
| 10. |  |         | dB                  | -50                          |
|     |  |         |                     | -68      1mW    87MHz        |
|     |  |         |                     | -68      5mW    87MHz-108MHz |
|     |  |         |                     | -68dB    1mW    108MHz       |
| 11. |  | kHz     | GD/J062-2014      A |                              |
| 12. |  |         | dB                  | 0.5                          |
| 13. |  |         |                     | CCDF                         |
| 14. |  | MER     | dB                  | 40                           |

## 3.2

### 3.2.1

|    |   |       |    |                          |
|----|---|-------|----|--------------------------|
| 1. |   |       | dB | -70dB      1mW      25W  |
|    |   |       |    | -70dB      25μW      25W |
| 2. |   |       | dB | <-50                     |
| 3. |   |       | Hz | ±0.1                     |
| 4. | S | 38kHz | dB | <-60                     |

|     |        |     |               |           |
|-----|--------|-----|---------------|-----------|
| 5.  | 100%   |     | kHz           | $\pm 75$  |
| 6.  |        |     | $\mu\text{s}$ | 50        |
| 7.  | (100%) | L   | %             | $< 0.2$   |
|     |        | R   |               |           |
| 8.  |        | L   | dB            | $\pm 0.2$ |
|     |        | R   |               |           |
| 9.  | ( )    | L   | dB            | $\pm 0.2$ |
|     |        | R   |               |           |
| 10. | (100%) | L   | dB            | $> 80$    |
|     |        | R   |               |           |
| 11. |        | L R | dB            | $> 50$    |
|     |        | R L |               |           |
| 12. |        |     | dB            | $< 0.2$   |

## 3.2.2

|     |        |       |               |       |            |           |
|-----|--------|-------|---------------|-------|------------|-----------|
| 1.  |        |       | dB            | -70dB | 1mW        | 25W       |
|     |        |       |               | -70dB | 25 $\mu$ W | 25W       |
| 2.  |        |       | dB            |       |            | $< -50$   |
| 3.  |        |       | Hz            |       |            | $\pm 0.1$ |
| 4.  | S      | 38kHz | dB            |       |            | $< -60$   |
| 5.  | 100%   |       | kHz           |       |            | $\pm 75$  |
| 6.  |        |       | $\mu\text{s}$ |       |            | 50        |
| 7.  | (100%) | L     | %             |       |            | $< 0.2$   |
|     |        | R     |               |       |            |           |
| 8.  |        | L     | dB            |       |            | $\pm 0.2$ |
|     |        | R     |               |       |            |           |
| 9.  | ( )    | L     | dB            |       |            | $\pm 0.2$ |
|     |        | R     |               |       |            |           |
| 10. | (100%) | L     | dB            |       |            | $> 80$    |
|     |        | R     |               |       |            |           |

|     |     |    |      |
|-----|-----|----|------|
| 11. | L R | dB | >50  |
|     | R L |    |      |
| 12. |     | dB | <0.2 |

### 3.3

|  |  |                     |
|--|--|---------------------|
|  |  | -20 +50             |
|  |  | -30 +75             |
|  |  | 95% 25              |
|  |  |                     |
|  |  | 86 106kPa           |
|  |  | AC 100 264V/50Hz    |
|  |  |                     |
|  |  | 600mm 600mm 856.7mm |

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